HIGH NORTH ID:
00706301
Date: 2025-06-06
Certificate: 1749246094

High North Inc.
241 Hanlan Rd, Unit 7
Woodbridge, ON, L4L 3R7
1-416-864-6122
LIC-P4PNJMAC20-2022

Client: Dycar Pharmaceuticals
900 Industrial Road 1 ,
Cranbrook, BC, v1c 1v6
Name: Dycar Quality Assurance
780-224-9242
qa@dycarpharm.com

Product: GastroPop/CS-100-25
Lot: GSTR2505271CB
Matrix: Flower
Sub-matrix: Dried Flower
Sampled: 2025-05-29
Received: 2025-06-02
Temperature on Receipt: 22.1°C

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			32.1361	321.3604
Total CBD [(CBDA x 0.877) + CBD]			BLQ	BLQ
THCA-A	0.10	0.20	34.0889	340.8892
D9-THC	0.10	0.20	2.2401	22.4006
CBD	0.10	0.20	BLQ	BLQ
CBNA	0.01	0.02	0.1123	1.1229
CBDA	0.10	0.20	ND	ND
CBN	0.01	0.02	ND	ND
Total of all quantified cannabinoids:			36.4413	364.4127

Method: LAB-MTD-060

Moisture Analysis	Result
Loss on Drying (EP 2.2.32 Vacuum Oven)	8.3181%

Method: LAB-MTD-053

Terpene Analysis	LOD (%)	LOQ (%)	wt%
Beta-Myrcene	0.0004	0.005	1.0786
Alpha-Pinene	0.0002	0.005	0.4476
Trans-Caryophyllene	0.0011	0.005	0.4259
Ocimene	0.0017	0.005	0.2531
Farnesene*	0.0029	0.010	0.1623
Linalool	0.0006	0.005	0.1617
Alpha-Humulene	0.0002	0.005	0.0970
Beta-Pinene	0.0004	0.005	0.0856
(R)-(+)-Limonene	0.0006	0.005	0.0449
Alpha-Bisabolol	0.0011	0.005	0.0311
trans-Nerolidol	0.0005	0.005	0.0179
Terpinolene	0.0005	0.005	0.0120
Citronellol	0.0008	0.005	0.0101

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

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Terpene Analysis	LOD (%)	LOQ (%)	wt%
Alpha-Terpineol	0.0007	0.005	0.0096
Caryophyllene oxide	0.0009	0.005	0.0081
Camphene	0.0009	0.005	0.0073
(R)-Endo-(+)-Fenchyl Alcohol	0.0005	0.005	0.0052
Farnesol*	0.0032	0.010	ND
Borneol	0.0005	0.005	BLQ
Fenchone	0.0003	0.005	BLQ
Squalene	0.0015	0.005	ND
Phytol*	0.0030	0.010	ND
Nootkatone	0.0009	0.005	ND
Phytane	0.0006	0.005	ND
(+)-Cedrol	0.0004	0.005	ND
Guaiol	0.0013	0.005	ND
cis-Nerolidol	0.0012	0.005	ND
Valencene	0.0006	0.005	ND
Eugenol	0.0010	0.005	ND
Alpha-Cedrene	0.0004	0.005	ND
Geranyl acetate	0.0007	0.005	ND
Carvacrol	0.0005	0.005	ND
Thymol	0.0006	0.005	ND
d-Valerolactam (2-piperidone)	0.0015	0.005	ND
(-)-Piperitone	0.0012	0.005	ND
Isobornyl Acetate	0.0005	0.005	ND
Carvone	0.0006	0.005	ND
Pulegone	0.0006	0.005	ND
Verbenone	0.0006	0.005	ND
Citral*	0.0015	0.005	ND
Geraniol	0.0005	0.005	ND
Safranal	0.0004	0.005	ND
Nerol	0.0007	0.005	ND
Octyl Acetate	0.0005	0.005	ND
Terpinen-4-ol	0.0017	0.005	ND
Camphor	0.0005	0.005	ND
Isoborneol	0.0005	0.005	ND
Menthol (Hexahydrothymol)	0.0013	0.005	ND
Menthone*	0.0015	0.005	ND
Isopulegol	0.0010	0.005	ND
Alpha-Thujone	0.0010	0.005	ND
Sabinene Hydrate	0.0006	0.005	ND
Gamma-Terpinene	0.0002	0.005	ND
Eucalyptol	0.0011	0.005	ND
Cymene*	0.0004	0.005	ND
Alpha-Terpinene	0.0004	0.005	ND
Alpha-Phellandrene	0.0010	0.005	ND

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Terpene Analysis	LOD (%)	LOQ (%)	wt%
(1S)-3-Carene	0.0009	0.005	ND
Sabinene	0.0003	0.005	ND
Total of all quantified terpenes:			2.858

Method: LAB-MTD-044 (ISO 17025:2017 Accredited)

Water Activity Analysis	Result
Water Activity	0.5524aw

Method: LAB-MTD-031

Visual Inspection/Olfactory	Result
Foreign Matter	None Detected
Odour	Characteristic of cannabis
Sample Appearance	Green dried flower buds

Method: LAB-MTD-022 (ISO 17025:2017 Accredited)

Total Ash Analysis	Result
Total Ash (EP 2.4.16)	8.2989%

Method: LAB-MTD-043

Mycotoxin Analysis	LOD (ppb)	LOQ (ppb)	RL (ppb)	Result (ppb)	Status
Aflatoxin-B1	0.5000	2	2	ND	PASS
Aflatoxin-B2	0.5000	2		ND	
Aflatoxin-G1	0.3000	2		ND	
Aflatoxin-G2	0.6000	2		ND	
Sum of Aflatoxins:			4	0	PASS

Method: LAB-MTD-010 (ISO 17025:2017 Accredited)

Ochratoxin-A	5.6000	20	20	ND	PASS

Method: LAB-MTD-010 (ISO 17025:2017 Accredited)

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Microbial Analysis	LOD (CFU/g)	RL (CFU/g)	Result (CFU/g)	Status
Total Yeast and Mold Count	100	500	< 100	PASS
Total Aerobic Count	10	50,000	< 10	PASS
Salmonella			Absent in 25g	PASS
S.aureus/P.aeruginosa			Absent in 1g	PASS
E.coli			Absent in 1g	PASS
Bile-Tolerant Gram-Negative	100	100	<100	PASS

Method: MIC-MTD-001 (ISO 17025:2017 Accredited), MIC-MTD-012 (ISO 17025:2017 Accredited)

Heavy Metals Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Arsenic	0.034	0.2	0.2	ND	PASS
Cadmium	0.016	0.06	0.3	ND	PASS
Lead	0.014	0.49	0.5	ND	PASS
Mercury	0.009	0.06	0.1	ND	PASS

Method: LAB-MTD-050 (ISO 17025:2017 Accredited)

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EP 2.8.13 Pesticides Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Acephate	0.0422	0.10	0.10	ND	PASS
Alachlor	0.0170	0.05	0.05	ND	PASS
Aldrin and Dieldrin (Sum of)	0.0238	0.05	0.05	ND	PASS
Azinphos-ethyl	0.0416	0.10	0.10	ND	PASS
Azinphos-methyl	0.1154	1.00	1.00	ND	PASS
Bromophos-ethyl	0.0241	0.05	0.05	ND	PASS
Bromophos-methyl	0.0195	0.05	0.05	ND	PASS
Brompropylate	0.0874	3.00	3.00	ND	PASS
Chlordane (Sum of cis-, trans- and oxychlordane)	0.0236	0.05	0.05	ND	PASS
Chlorfenvinphos	0.0694	0.50	0.50	ND	PASS
Chlorpyriphos-ethyl	0.0396	0.20	0.20	ND	PASS
Chlorpyriphos-methyl	0.0281	0.10	0.10	ND	PASS
Chlorthal-dimethyl	0.0032	0.01	0.01	ND	PASS
Cyfluthrin (Sum of)	0.0300	0.10	0.10	ND	PASS
Cypermethrin and isomers (Sum of)	0.0632	1.00	1.00	ND	PASS
DDT (Sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE and p,p'-TDE)	0.2493	1.00	1.00	ND	PASS
Deltamethrin	0.1299	0.50	0.50	ND	PASS
Diazinon	0.0836	0.50	0.50	ND	PASS
Dichlofluanid	0.0341	0.10	0.10	ND	PASS
Dichlorvos	0.0589	1.00	1.00	ND	PASS
Dicofol	0.1476	0.50	0.50	ND	PASS
Dimethoate and omethoate (Sum of)	0.0416	0.10	0.10	ND	PASS
Dithiocarbamates (Expressed as CS2)	0.1133	2.00	2.00	ND	PASS
Endosulfan (Sum of isomers and endosulfan sulfate)	0.0836	3.00	3.00	ND	PASS
Endrin	0.0113	0.05	0.05	ND	PASS
Ethion	0.0474	2.00	2.00	ND	PASS
Etrimphos	0.0190	0.05	0.05	ND	PASS
Fenchlorophos (Sum of fenchlorophos and fenchlorophos-oxon)	0.0498	0.10	0.10	ND	PASS
Fenitrothion	0.1398	0.50	0.50	ND	PASS
Fenpropathrin	0.0084	0.03	0.03	ND	PASS
Fensulfothion (Sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxonsulfon and fensulfothion-sulfon)	0.0247	0.05	0.05	ND	PASS
Fenthion (Sum of fenthion, fenthion-oxon, fenthion-oxon-sulfon, fenthion-oxon-sulfoxid, fenthion-sulfon and fenthion-sulfoxid)	0.0246	0.05	0.05	ND	PASS

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EP 2.8.13 Pesticides Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Fenvalerate	0.1202	1.50	1.50	ND	PASS
Flucytrinate	0.0245	0.05	0.05	ND	PASS
Fonophos	0.0205	0.05	0.05	ND	PASS
Heptachlor (Sum of heptachlor, cis-heptachlorepoxide and trans-heptachlorepoxide)	0.0230	0.05	0.05	ND	PASS
Hexachlorbenzene	0.0204	0.10	0.10	ND	PASS
Hexachlorocyclohexane (Sum of a-,b-, d- and e)	0.1396	0.30	0.30	ND	PASS
Lambda-Cyhalothrin	0.0860	1.00	1.00	ND	PASS
Lindan (gamma-hexachlorocyclohexane)	0.0574	0.60	0.60	ND	PASS
Malathion and Malaoxon (Sum of)	0.1445	1.00	1.00	ND	PASS
Mecarbam	0.0133	0.05	0.05	ND	PASS
Methacriphos	0.0240	0.05	0.05	ND	PASS
Methamidophos	0.0203	0.05	0.05	ND	PASS
Methidathion	0.0273	0.20	0.20	ND	PASS
Methoxychlor	0.0204	0.05	0.05	ND	PASS
Mirex	0.0031	0.01	0.01	ND	PASS
Monocrotophos	0.0438	0.10	0.10	ND	PASS
Parathion-ethyl and Paraoxon-ethyl (Sum of)	0.1292	0.50	0.50	ND	PASS
Parathion-methyl and Paraoxon-methyl (Sum of)	0.0461	0.20	0.20	ND	PASS
Pendimethalin	0.0463	0.50	0.50	ND	PASS
Pentachloranisol	0.0023	0.01	0.01	ND	PASS
Permethrin and isomers (Sum of)	0.0492	1.00	1.00	ND	PASS
Phosalone	0.0324	0.10	0.10	ND	PASS
Phosmet	0.0209	0.05	0.05	ND	PASS
Piperonyl butoxide	0.1260	3.00	3.00	ND	PASS
Pirimiphos-ethyl	0.0237	0.05	0.05	ND	PASS
Pirimiphos-methyl (Sum of pirimiphos-methyl and N-desethyl-pirimiphos-methyl)	0.1332	4.00	4.00	ND	PASS
Procymidone	0.0404	0.10	0.10	ND	PASS
Profenophos	0.0422	0.10	0.10	ND	PASS
Prothiophos	0.0166	0.05	0.05	ND	PASS
Pyrethrum (Sum of cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I and pyrethrin II)	0.1233	3.00	3.00	ND	PASS
Quinalphos	0.0177	0.05	0.05	ND	PASS
Quintozene (Sum of quintozene, pentachloraniline and methyl penthachlorphenyl sulfide)	0.0804	1.00	1.00	ND	PASS
S-421	0.0093	0.02	0.02	ND	PASS
Tau-fluvalinate	0.0181	0.05	0.05	ND	PASS

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EP 2.8.13 Pesticides Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Tecnazene	0.0183	0.05	0.05	ND	PASS
Tetradifon	0.1194	0.30	0.30	ND	PASS
Vinclozolin	0.1031	0.40	0.40	ND	PASS

Method: LAB-MTD-041

Identification A (Macroscopic) European Pharmacopoeia

Complies with monograph

The colour of the sample complies with the monograph.

The whole female inflorescence is a dense or more or less lax panicle, comprising sessile or almost sessile, elongated bracts (about 10 mm long) with dentate margins, intermingled with the flowers.

The fragmented inflorescence comprises parts of the axis of the inflorescence, the bracts and panicle, together with individual flowers or floral organs.

The female flowers are very small (about 2 mm) with a short pedicel.

The perianth is monosepalous and apetalous.

The inflorescence is more or less densely pilose, with covering trichomes and glandular trichomes that produce a sticky resin with an aromatic odour.

The sepal, often referred to as the bracteole, is wrapped around the unilocular ovary which bears two styles, each terminating in a fine, orange-brown stigma that is longer than the calyx.

Method: MIC-MTD-014

Identification B (Microscopic) European Pharmacopoeia

Complies with monograph

Small glandular trichomes with a uni- or biseriate stalk and a uni-, bi- or quadricellular head containing orange-yellow droplets.

Whole glandular trichomes, with a multiseriate, multicellular stalk and a multicellular head covered by a domed cuticle.

Cystolithic and non-cystolithic unicellular covering trichomes; the conical, cystolithic covering trichomes have either thickened walls, a broad base and a curved, pointed end, with a clearly visible, lumpy, globular calcium carbonate deposit, or a narrower base and markedly pitted walls; the non-cystolithic covering trichomes are more elongated and have thickened, smooth walls.

Method: MIC-MTD-014

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Identification C (by HPTLC) EP Monograph

THC Dominant (conforms)

Method: LAB-MTD-061

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